**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_\_\_\_\_\_**

**Reliable and Valid Entrance Slip**

**Describe the characteristics of a reliable and valid investigation. \_\_\_\_/4**

**Multiple Choice**: *Identify the choice that best completes the*

*statement or answers the question.*

\_\_\_\_ 1. Which of the following is not a suggestion for designing a reliable investigation?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Include all the important parts of an experiment | c. | Use multiple trials |
| b. | Test more than one independent variable | d. | Have another scientist repeat the experiment |

\_\_\_\_ 2. When data is collected that helps answer the investigation question it is considered

|  |  |  |  |
| --- | --- | --- | --- |
| a. | valid. | c. | false. |
| b. | invalid. | d. | true. |

\_\_\_\_ 3. Doing multiple trials in an experiment will make the data collected from the experiment

|  |  |  |  |
| --- | --- | --- | --- |
| a. | less reliable. | c. | valid. |
| b. | more reliable. | d. | invalid. |

\_\_\_\_ 4. If a another scientist can repeat an experiment and get similar results, the experiment is

|  |  |  |  |
| --- | --- | --- | --- |
| a. | false. | c. | rejected. |
| b. | incorrect. | d. | reliable. |

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_\_\_\_\_\_**

**Reliable and Valid Entrance Slip**

**Describe the characteristics of a reliable and valid investigation. \_\_\_\_/4**

**Multiple Choice**: *Identify the choice that best completes the*

*statement or answers the question.*

\_\_\_\_ 1. Which of the following is not a suggestion for designing a reliable investigation?

|  |  |  |  |
| --- | --- | --- | --- |
| a. | Include all the important parts of an experiment | c. | Use multiple trials |
| b. | Test more than one independent variable | d. | Have another scientist repeat the experiment |

\_\_\_\_ 2. When data is collected that helps answer the investigation question it is considered

|  |  |  |  |
| --- | --- | --- | --- |
| a. | valid. | c. | false. |
| b. | invalid. | d. | true. |

\_\_\_\_ 3. Doing multiple trials in an experiment will make the data collected from the experiment

|  |  |  |  |
| --- | --- | --- | --- |
| a. | less reliable. | c. | valid. |
| b. | more reliable. | d. | invalid. |

\_\_\_\_ 4. If a another scientist can repeat an experiment and get similar results, the experiment is

|  |  |  |  |
| --- | --- | --- | --- |
| a. | false. | c. | rejected. |
| b. | incorrect. | d. | reliable. |

**Reliable and Vaild Entrance Slip**

**Answer Section**

**MULTIPLE CHOICE**

1. ANS: B PTS: 1

2. ANS: A PTS: 1

3. ANS: B PTS: 1

4. ANS: D PTS: 1